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82795

Page 1

May-30-12 7:34:05	AM	·		7 9:1				·		1 450 1
Item Iik: D21 Revision ID:	2-664-101TRN		*N90004010						t *N	S1*.
	sstube Turning Detail							Štop	*N	S 2*
Start Date: 10/0 Required Date: 24/0 Reference:	04/2012 Start Qty: 1.00 04/2012 Req'd Qty: 1.00	•	,	Cust Item : Customer:	ID:					
Approvals: Pro	ocess Plan: MLJ	Date: \2 05 Date:	30 Tooling: SPC (Y/N):		ate:		F	Run Star Stop	I <i>N</i>	R1* R2*
Sequence ID/ Work Center ID	Operation Description	· - · · · · · · · · · · · · · · · · · · ·	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr					a a di to la casa ,				
D212-664-141	Rev D (DEO)									
*100 *100* Mori Seiki Mori Seiki CNC Lathe Lat		ATHE LARGE De with sand & install plugs irst side as per Folio FA113	0.00 0.00 DT8534 on both ends as pe	er Folio FA113				P	K	12-6
	FOLIO F DWG RI *Use mil	transition lines only, **do n REV:	eatedly with file card.	gipies.	¥					
110 *110* QC Quality Control	QC1- Inspect dimens Memo	ions to dimension sheet	0.00		·			_\$	K	-12-6-

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Dart Ae	rospace	e Ltd								
W/O:				WORK ORDER	CHANGES				٨	
DATE	STEP		PR	OCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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			· · · · · · · · · · · · · · · · · · ·							
Part No:I		PAR #:	Fault Category:	NCR	: Yes	No DQ	A:	_ Date: _		
Resolution:				Disposition: QA: N/C Closed: _						
NCP:				WORK ORDER NON-CON	IFORMANCE	(NC	R)			

NCR:	R: WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B	Verification	Approval	Approval				
DATE	STEP	Section A	Initial Action Description Chief Eng Chief Eng		Sign & Date	Section C	Chief Eng	Approval QC Inspector			
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								·			

Work Ord May-30-12 7:3		795		*82795*							Page 2		
Item ID: D212-664-101TRN Revision ID: Item Name: Crosstube Turning Detail				Accept	*N900	100)*	Setup St	I.	NS1* NS2*			
Start Date: 10/04/201 Required Date: 24/04/201 Reference:		Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item ID: Customer:					•			
Approvals:	Process Pla	in:	Date:	Tooling: SPC (Y/N):		ate:		ĵ		art * op * 	JR1* JR2*		
Sequence ID/ Work Center II 120 *120*	D	Operation Description MORI SEIKI CNC LAT.	HE LARGE	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accept Qty	Qty	Reject Numbe	er Stamp		
Mori Seiki Mori Seiki CNC Lat	the Large	2-Blend trar *Use mill ba *Do not use FOLIO REV DWG REV:		ot sand whole tube**: eatedly with file card.					\$	<u></u>	C -12-6		
130 *130* QC		QC1- Inspect dimensions	s to dimension sheet	0.00					\$.	K	<u> 12-</u> 6-/		

Memo

Quality Control

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W/O:			W	ORK ORDER CHANG	GES			
DATE	STEP	PR	OCEDURE CHA	NGE	Ву	Date Q	ty Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		PAR #:	Fault Cate	egory:	NCR: Yes	No DQA: _	Date: _	
	Re	solution:	Disposition	on:	QA: N/C C	osed:	Date: _	
NCR:			WORK ORD	ER NON-CONFORM	ANCE (NCF	R)		
DATE	STEP	Description of NC			ction B	Verification	n Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date		Chief Eng	QC Inspector

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May-30-12 7:34:05 AM					*8279			Page 3			
Item ID: Revision ID:	D212-664-10	DITRN		*N90004010						Start	*NS1*
Item Name:	Crosstube Tur	ning Detail				-				Stop	*NS2*
Start Date:	10/04/2012	Start Qty: 1.0	0	*1*		Cust Item II	D:			•	
Required Date:	24/04/2012	Req'd Qty: 1.0	0	*1*		Customer:					
Reference:				•					_		
Approvals:	Process Pla	n:	Date:		Tooling:	Da	te:		Run	Start	*NR1*
	QC:		Date:_		SPC (Y/N):	Da	te:			Stop	*NR2*
Sequence ID/ Work Center II	D · ·	Operation Description			Set Up/ Run Hours	Tool ID		Plan Acc Code Qty	ept Rej Qty		Reject Insp. Number Stamp
140		QC8- Inspect parts -	second check		0.00			~			
140 ^{QC}		Memo			0.00			T.	<u> </u>	ر 12 -	-6-1
Quality Control								;		,	
145					0.00						
145 Crosstubes		Memo			0.00						
Crosstubes			ONLY TRANSI	TION LINES	SMOOTH LONGITUDE WA	ΛΥ.		6	JW	Í	2-6-1
	÷	•									
150		Crosstubes Chemica	l Conversion		0.00			/ 1 /	- /// ^		
150 HandFXtube		Memo			0.00			G	1/4		120-1
Hand Finishing Cros	stubes										

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DATE	STEP	PROCEDURE CHANGE By Date Qty									Approval QC Inspector
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Part No		PAR #:	Fault Ca	ategory:		NC	R: Yes	No DQA	\:	Date: _	· .
*	R	esolution:		tion:			A STATE OF THE STATE OF	osed:	• • •	Date: _	
NCR:	* * * *	W	ORK OR	DER NO	N-CONF	DRMANCE	(NCF	3)			
DATE	STEP	Description of NC Section A	Initial Chief Eng		ive Action tion Descri	Section B ption	Sign 8	Verific Section		Approval Chief Eng	Approval QC Inspecto
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Quality Control

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W/O:			WORK ORDER CHANGES											
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Part No	:	PAR #:	Fault Ca	NC	NCR: Yes No DQA: Date:									
	R	esolution:	Disposit	ion:	Q <i>A</i>	: N/C C	losed:		Date: _					
NCR:			WORK OR	DER NON-CONF	ORMANC	E (NCF	₹)							
DATE	STEP	Description of NC Section A	Initial	Section B ption	Sign			Approval Chief Eng	Approval QC Inspector					
			Chief Eng	Chief Eng		Date	· · · · · · · · · · · · · · · · · · ·							
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Picklist Print

May-30-12 7:34:08 AM

Work Order ID: 82795 *82795*

D212-664-101TRN Parent Item:

D212-664-101TRN Parent Item Name: Crosstube Turning Detail

Start Date: 10/04/2012

Required Date: 24/04/2012

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev:A 08-03-06 new issue DD verified by:ec

IPP Rev B 08.04.02 removed Polish EC verified by: DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D6005-128		Manufactured	No			120	Each	25.0000	1	1			
D6005-12	28								**				

Crosstube Material

Loc Code Location Loc Qty LG 25 25 69796

12-5-31

Page 1

W/O:		WORK ORDER CHANGES										
DATE	STEP	PRO	PROCEDURE CHANGE				Approval Chief Eng / Prod Mgr	Approval QC Inspector				
												
		:										
			·		·							
Part No: PAR #: _		PAR #:	Fault Cate	NCR: Yes No DQA: Date:								
	Resolution:		Dispositio	n:	QA: N/C Cld	osed:	Date: _					
NCR:			WORK ORDI	ER NON-CONFORMA	NCE (NCR)						
		TEP Description of NC Section A		Corrective Action Section		Verification	Approval Chief Eng	Approval QC Inspector				
DATE	STEP		Initial Chief [*] Eng	Action Description Chief Eng	Sign & Date	Section C						
						·						
		·										

DART AEROSPACE LTD	Work Order:	82795
Description: Crosstube Assembly (205/212/412 High Fwd)	Part Number:	D212-664-141
Inspection Dwg: D212-664-141 Rev: D		Page 1 of 2

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

						•	·		
	spection Sheet awing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments		
	0.200	+/-0.010	,210			VERN	CALL -08		
	R0.063	+/-0.010	.063			RG	CNC-08		
	2.740	+0.005/-0.000	2.740			VERN	(NC-08		
	5.097	+/-0.030	5.097			Version	000		
E A	2.304	+0.005/-0.000							
	2.340	+0.005/-0.000	2.309						
	2.398	+0.005/-0.000	2.403				A		
SIDE	2.448	+0.005/-0.000	2,453						
	2.498	+0.005/-0.000	2.503			- · · · · · · · · · · · · · · · · · · ·			
	2.549	+0.005/-0.000	2.553						
	2.599	+0.005/-0.000	2.602						
	2.671	+0.005/-0.000	2.674			1			
	2.701	+0.005/-0.000	2.704				—		
	0.200	+/-0.010	. 210			VERN	(61/-08		
	R0.063	+/-0.010	.063			26	CNC-08		
	2.740	+0.005/-0.000	2.739			VERN	(AV 08		
	5.097	+/-0.030	5.097			veido	CVC -00		
	2.304	+0.005/-0.000	2.308			1			
	2.340	+0.005/-0.000	2345			- 1 - 1			
ii B	2.398	+0.005/-0.000	2.403				1		
SIDĖ	2.448	+0.005/-0.000	2.453						
"	2.498	+0.005/-0.000	2.502				i		
[2.549	+0.005/-0.000	2,554				 		
	2.599	+0.005/-0.000	2,603						
	2.671	+0.005/-0.000	2.673				7		
Ī	2.701	+0.005/-0.000	2704			+	——————————————————————————————————————		
	126.514	+/-0.020	126.514			TAPE	LG-15		
				\	<u> </u>	HIE			

Measured by: KC

Date: /2-5-3/

Audited by: Prototype Approval: N/A

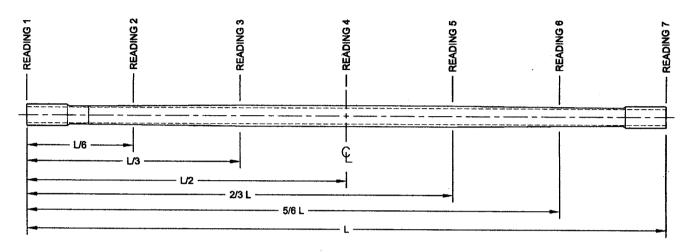
Date: Date: N/A

Rev	Date	Change	Revised by	Ammental
Α	05.04.27	New Issue (P/O D412-664-101)		Approved
R	06.03.15	(170 DT12 00T 101)	KJ/JLM	
	07.05.10	Tolerance revised for 5.097 per Dwg Rev update	KJ/JLM	
<u> </u>		Dwg Rev updated	KJ/JLM	
D	10.02.02	Dimension 126.514 was 126.51	KJ de	
				XX

W/O:		WORK ORDER CHANGES										
DATE	STEP	PRO	OCEDURE CH	CEDURE CHANGE			Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
···												
Part No:		PAR #:	Fault Cate	egory:	NCR: Yes	CR: Yes No DQA: Date:						
	R	esolution:	Disposition	Disposition: QA: N/C C				Date: _				
NCR:	-	\	WORK ORD	ER NON-CONFORM	ANCE (NCR)						
DATE	STEP	Description of NC		Veri			fication Approval					
		Section A	Initial Chief Eng	Action Description Chief Eng	Date	Sect	ion C	Chief Eng	QC Inspector			
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DART AEROSPACE LTD	Work Order: 82795
Description: Cross Fube.	Part Number: 217 - 664 - 16/4
Inspection Dwg: AA Rev:	Page Zof Z

WALL THICKNESS MEASUREMENT



_	WALI	THICKNESS	MEASUREME	NT (IN)	Deviation	
Location	w1	w2	w3	w4	Δw (max-min)	TOLERANCE
READING 1						
READING 2 L=	.224	.254	.269	.23/	,	
READING 3 L=	. 351	.354	.357.	. 353		·
READING 4						0.030"
READING 5 L=	.353	,347	.353	. 355		
READING 6 L=	-244	.236	-243	.250		
READING 7						

Calibration Result

Actual Block Thickness: ./00 - 2.300

Sitescan 250 Measured Thickness: _,100 -7.300

Item	Qty -141	Qty -141B	Part Number	Description
1	Х		D212-664-141	CROSS TUBE ASSEMBLY (205/212/412 HIGH FWD)
2		Х	D212-664-141B	CROSSTUBE ASSEMBLY (214 HIGH FWD)
3	1	1	D6005-128	CROSSTUBE
4	2	2	D2893-1	SUPPORT
5	4	4	D3595-063-450	RUBBER CUSHION
6	4	4	MS21920-25	CLAMP (OR MS21920-26)
7	A/R	A/R	MAGNOBOND 6398	ROCKWELL SPECIFICATION RBO-120-023 ADHESIVE (TEXTRON/BELL SPEC. 299-947-100, TYPE II, CLASS 2 ADHESIVE)

GENERAL NOTES:

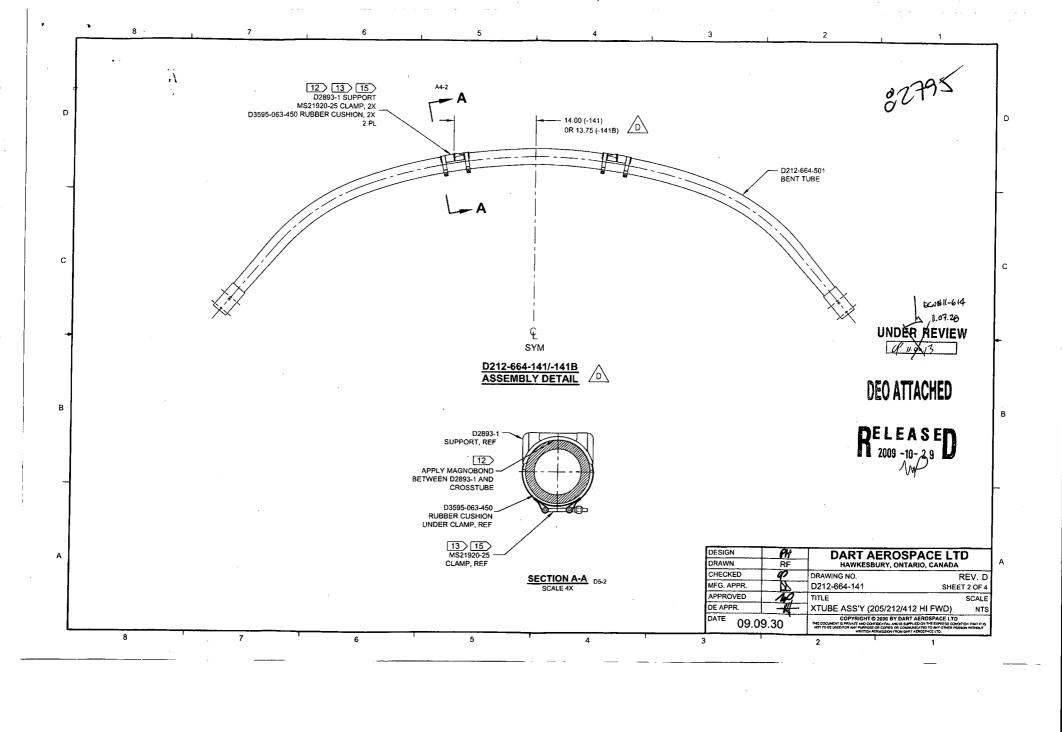
- 1) MATERIAL: MANUFACTURED FROM D6005-128
- FINISHED LENGTH = 126.514±0.020
 - FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 PRIME INSIDE AND OUTSIDE PER DART QSI 005 4.2 PAINT OUTSIDE PER DART QSI 005 4.2
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED.
- BREAK SHARP EDGES: 0.005 TO 0.010 MAX.
- IDENTIFICATION: SCRIBE DART PART NUMBER "D212-664-XXX" AND BATCH NUMBER ON INSIDE OF CUFF USING VIBRATING STYLUS
- WEIGHT: D212-664-141 = 33.6 lbs (PER IIN-D212-664) D212-664-141B = 33.6 lbs (PER IIN-D212-664)
- PART IS SYMMETRIC ABOUT CENTERLINE.
- RUN CUTTER OFF PART, BLEND OUT EDGE LONGITUDINALY, TRANSITION SHOULD BE SMOOTH.
- 10) BEND PROGRESSIVELY WITH A MINIMUM OF 3 PASSES. MAXIMUM TUBE FLATTENING DUE TO BENDING IS 6% BASED ON O.D.
- 11) LIQUID PENETRANT INSPECT OUTSIDE SURFACE OF CROSSTUBE PER QSI 038.
- 12) INSTALL D2893-1 SUPPORT USING 0.03° TO 0.06° THICK LAYER OF MAGNOBOND 6398 TO THE SURFACE OF D2893-1 THAT WILL BE IN CONTACT WITH THE CROSSTUBE PER QSI 015. LET CURE FOR 12 HOURS AFTER INSTALLATION AND PRIOR TO PACKAGING.
- 13) INSTALL MS21920-25 CLAMPS (OR -26) WITH D3595-063-450 RUBBER CUSHIONS TO SECURE THE D2893-1 SUPPORT ON TOP SIDE OF THE CROSSTUBE. ENSURE CLAMPS ARE OPPOSITE OF CROSSTUBE. SUPPORT
- 14) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.
- 15) TORQUE CLAMPS 80 TO 100 IN-LB. ENSURE AT LEAST 1.5 THREADS SHOWING IN SAFETY AND THAT NUT HAS NOT BOTTOMED-OUT AFTER TORQUING.

SHOP COPY **RETURN TO** , ENGINEERING **UNCONTROLLED COPY** SUBJECT TO AMENDMENT WITHOUT NOTICE WORK ORDER MLJ

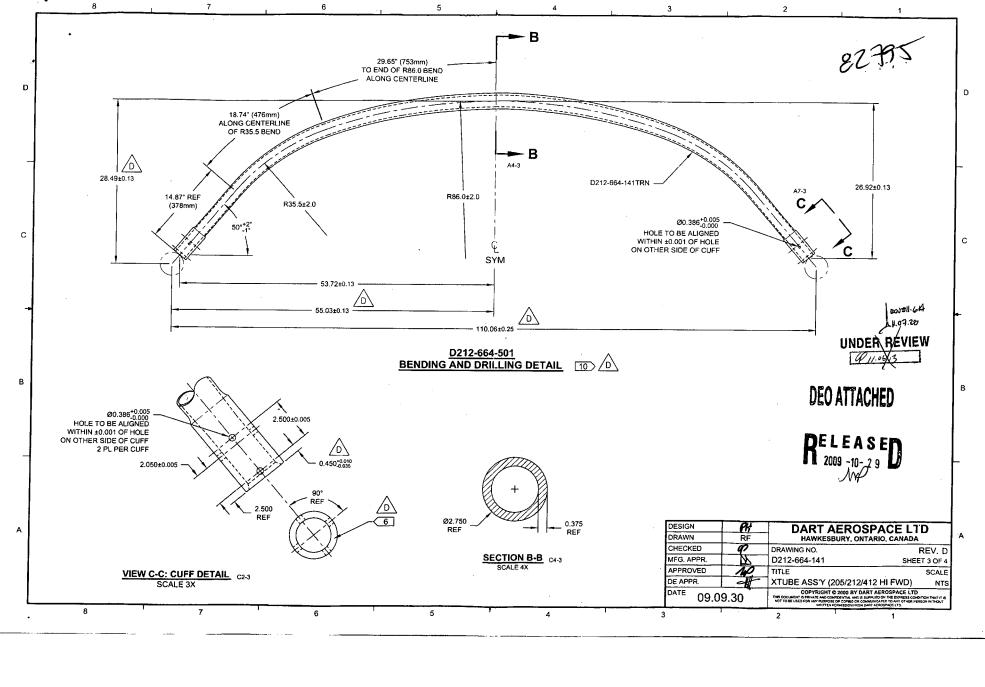
REMOVED FROM UNDER REVIEW PER

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D	REORG TO CUP REMOV & B6-3); MOVED	REFORMAT/REVISE GENERAL NOTES/PART LIST; REGORGANIZED VIEWS AND REFORMATTED DRAWING TO CURRENT STANDARDS; ADD -141B (ZN B4-2, D4-2); REMOVED REF & ADD TOLERANCES (ZN B4-3, C6-3, C8-3) 8 68-33; RELOCATED FLAG #6 PER PAR 08-046 (ZN A6-3); MOVED TURNING DETAIL & UPDATED TOLERANCE, TO SHEET 4 REMOVE -851 ABRASION STRIP; ADD MAGNOBOND							
С		VE -851 ABRA CUSHION, RE\	PH	07.03.08					
₿.	ADD H	OLES FOR CO	PH	05.02.04	İ				
Α	NEW IS	SSUE		PH	00.12.12	1			
REV.			DESCRIPTION	BY :	DATE	l			
DESIGN		PH	DART AEROSPA	\CF	LTD	ı			
DRAWN		RF		HAWKESBURY, ONTARIO, CANADA					
CHECKE	O	q)	DRAWING NO.		REV. D				
MFG. AF	PR.	187	D212-664-141	s	HEET 1 OF 4				
APPROVED 10		10	TITLE	SCALE					
DE APPR.			XTUBE ASS'Y (205/212/412 HI FWD) NTS						
DATE 09.09.30 COPYRIGHT © 2000 BY DART AEROSPACE LTD THIS DOCUMENT IS PROVIDED THE LIBRARY OF THE DIFFEST CONTROL THAT IT IS									

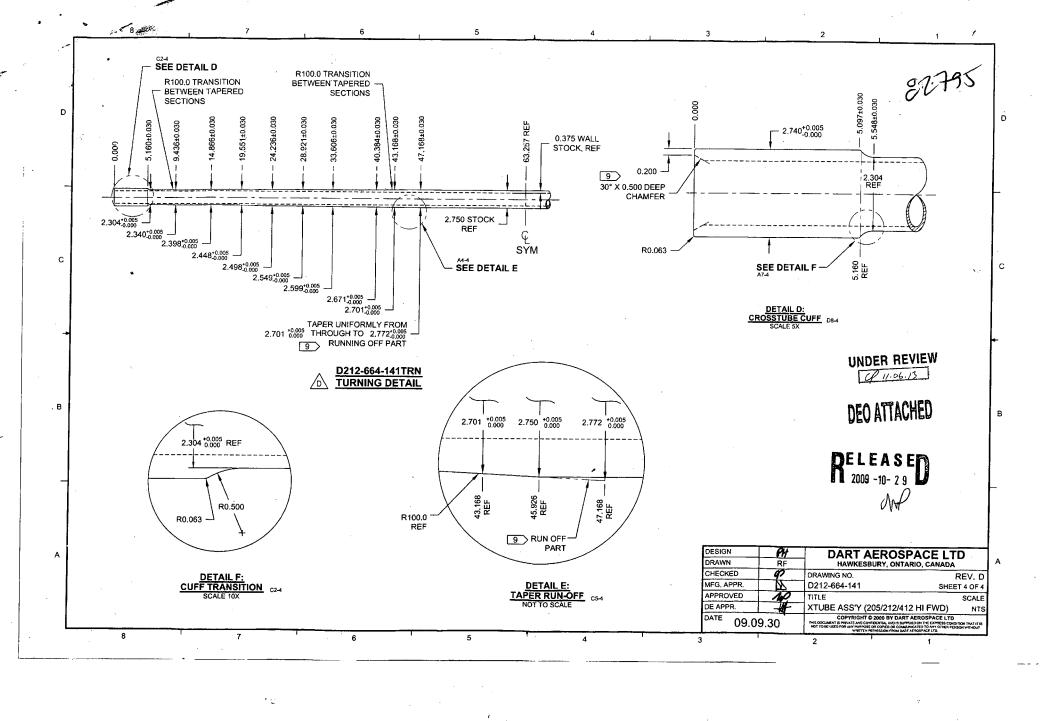
W/O:			WORK ORDER CHANGES									
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
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Part No: PAR #:		Fault Cat	egory:	NCR: Yes	NCR: Yes No DQA: Date:							
Resolution:			Dispositi	on:	QA: N/C Cld	osed:	Date: _					
NCR:			WORK OR	DER NON-CONFORM	ANCE (NCR)						
DATE	STEP	Description of NC Section A			ction B	Verification	Approval	Approval				
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Part No:		PAR #:	Fault Cate	gory:	_ NCR: Yes No DQA: Date:							
	Re	esolution:	Dispositio	n:	_ QA: N/C Cld	QA: N/C Closed: Date:						
NCR:			WORK ORDI	ER NON-CONFORMA	ANCE (NCR)						
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		•				QA: N/C Closed: Date:						
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DATE	STEP	Description of NC	Corrective Action Section				Verification		Approval	Approval		
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W/O:			WORK ORDER CHANGES									
DATE	STEP		PR	OCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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	Res	solution:		Disposition:	Q.	A: N/C C	closed:		Date: _			
	WORK ORDER NON-CONFORMANCE (NCR)											

NCR:		WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B		Verification	Approval	Annuaria				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	Approval QC inspector				
**												
								•				
		-										

DRAWING NO.	TITLE	•	REV. D	DART A	ROSPACE LTD	D.E.O. NO		SHEET NO.	SCALE
D212-664-141	XTUBE ASS	SY (205/212/412 H	FWD)	ENGINE	ERING ORDER	D212-66	4-141-D-1	SHEET 1 OF 2	y NTS
DRAWN	上	CHECKED	P	MFG. APPR.	E	APPROVED	NA,	DE APPR.	
DATE 11.0	4.07	DATE)	1,04,11	DATE	11.04.12	DATE	11/04/12	DATE 11.04.	12

ADD AN INSPECTION WINDOW TO UNDERSIDE OF CROSSTUBE.

CHANGE:

NOTES 2 OF SHEET 1 IS AMENDED AS FOLLOWS:

2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

PRIME INSIDE AND OUTSIDE PER DART QSI 005 4.2

MASK UNDERSIDE OF CROSSTUBE AS SHOWN (HATCHED AREA) AND

PAINT OUTSIDE PER DART QSI 005 4.2

REMOVE MASKING AND APPLY CLEAR COAT

WAS:

2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

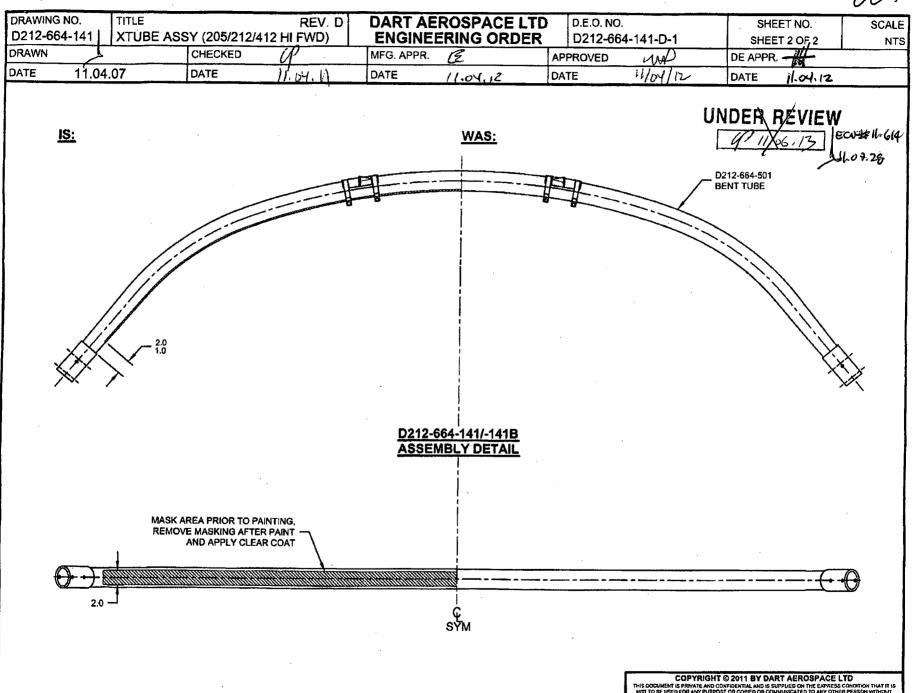
PRIME INSIDE AND OUTSIDE PER DART QSI 005 4.2

PAINT OUTSIDE PER DART QSI 005 4.2

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W/O:			A	VORK ORDER CHANGI	ES			•:		
DATE	STEP	PROC	CEDURE CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
	}									
Part No		PAR #:	_ Fault Ca	tegory:	NCR: Yes	No DQ	A:	Date:		
·			_ Disposit	ion:	QA: N/C C	A: N/C Closed: Date:				
NCR:		W	ORK OR	DER NON-CONFORMA	NCE (NC	R)				
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	on B Sign Date			Approval Chief Eng	Approval QC Inspector	
			Chief Eng	Offier Eng	Date	·				
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				,						



Dart Aerospace Ltd

W/O:			WORK ORDER CHANGES							•
DATE	STEP		PRO		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
		W.,								
Part No	:		PAR #:	Fault Category:	NCR:	Yes	No DQ	A:	_ Date: _	
	Res	olution:		Disposition:	QA: N	WC C	losed:		Date:	

NCR:		WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Verification	Approval	Ammerical						
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	Approval QC inspector				
-												
							:					

27795

DRAWING NO.	TITLE REV. D	DART AEROSPACE LTD	D.E.O. NO.	SHEET NO.	SCALE
D212-664-141	CROSSTUBE ASS'Y (205 HI FWD)	ENGINEERING ORDER	D212-664-141-D-2	SHEET 1 OF 1	NTS
DRAWN //	CHECKED A>S	MFG. APPR	APPROVED MA	DE APPR.	
DATE 11.07	15 DATE /1.07.20	DATE 11.07.21	DATE 11/07/21	DATE 11.07.21	

PURPOSE:

REPLACE MAGNOBOND WITH PROSEAL.

CHANGE:

IS:

ltem	Qty -141	Qty -141B	Part Number	Description
7	A/R	A/R	PROSEAL 890 B-2	SEALANT, AMS-S-8802 CLASS B-2

WAS:

7	A/R	A/R	MAGNOBOND 6398	ROCKWELL SPECIFICATION RBO-120-023
i			·	ADHESIVE (TEXTRON/BELL SPEC. 299-947-100,
				TYPE II, CLASS 2 ADHESIVE)

NOTE 12 & 15, SHEET 1 IS AMENDED AS FOLLOWS:

IS:

- 12) TO INSTALL D2893-1 SUPPORT: ABRADE MATING SURFACE OF SUPPORT AND CROSSTUBE WITH 180-GRIT SANDPAPER AND REMOVE RESIDUE WITH MEK (OR EQUIVALENT). APPLY A 0.04° TO 0.07" THICK LAYER OF PROSEAL 890 CLASS B-2 (OR AMS-S-8802 CLASS B-2) SEALANT TO MATING SURFACE OF SUPPORT.
- 15) TORQUE CLAMPS 80 TO 100 IN-LB. ENSURE AT LEAST 1.5 THREADS SHOWING IN SAFETY AND THAT NUT HAS NOT BOTTOMED-OUT AFTER TORQUING. PRIOR TO PACKAGING, RE-CHECK TORQUE ON CLAMPS AFTER PROSEAL 890 SEALANT HAS CURED FOR 72 HOURS.

WAS:

- 12) INSTALL D2893-1 SUPPORT USING 0.03" TO 0.06" THICK LAYER OF MAGNOBOND 6398 TO THE SURFACE OF D2893-1 THAT WILL BE IN CONTACT WITH THE CROSSTUBE PER QSI 015. LET CURE FOR 12 HOURS AFTER INSTALLATION AND PRIOR TO PACKAGING.
- 15) TORQUE CLAMPS 80 TO 100 IN-LB. ENSURE AT LEAST 1.5 THREADS SHOWING IN SAFETY AND THAT NUT HAS NOT BOTTOMED-OUT AFTER TORQUING.



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W/O:			W	ORK ORDER CHANGES				•	
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approvat Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Cate	gory: N	CR: Yes	No DQ	\:	Date:	<i>*</i>
• • • • • • • • • • • • • • • • • • • •		lesolution:	_ Dispositio	n: Q				Date:	
NCR:		, W	ORK ORD	ER NON-CONFORMANC	E (NCF	1)			
DATE	STEP	Description of NC	Corrective Action Section B			Verific		Approval	Approval
DAIL	JILI	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section	on C	Chief Eng	QC Inspector
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